20 July 1967

D R A F T

MEMORANDUM FOR THE RECORD

SUBJECT: Progress on Variable Magnification Tracing Projector

On 16 July, I visited Bausch & Lomb and completed the final inspection of the Variable Magnification Tracing Projector.

The major deficiencies, inadequate illumination and instability, have been corrected and the prototype is acceptable. The following comments are for the record.

1. Then numbers for indicating optimum position for the lamp house depending, on lens being used, are not in proper sequence. They are 12-7-4 but should be 12-4-7 . This will be corrected before shipment of the instrument.

2. The 4" and 7" lenses use the same condenser system which is rotated out of the way when the 12" lens is used.

3. The lens numbers, 12-4-7, are to be added to the rack that provides the means for moving the entire lamp assembly up and down. At the present, three colors are used to indicate proper setting for each lens. Lens numbers will also be added to the sides of the condenser lens for the same purpose.

4. The illumination is provided by a 420 watt quartz idodide lamp and is adequate for all settings. It has a life expectancy of 100 hours. The light is fused with a readily available $7\frac{1}{2}$ amp fuse. B&L will provide information in regards to lamp prices and nomenclature. GE and Sylvania

manufacture the lamp.

5. The control that moves light assembly up and down tends to slip when in the down position. This will be corrected on the production models.

6. Platen on the prototype is not readily accessible for cleaning. This must be corrected on the production models.

7. It will be difficult to use small film chips on the instrument without a holder. TSD can probably take care of this.

8. The blower hose is not positioned esthetically but it does the job. It can probably be changed on the production instruments.

9. A pull up shelf is positioned at the back edge of the instrument. At one time it was believed that the present back edge would be the side. However, due to design changes, this concept changed. I requested that B&L move the shelf to the side of the prototype if possible.

10. The height of the tracing surface is 40" - 41" . [redacted] from PID accompanied me on this trip and he expressed no concern in regards to this height. 25X1A

11. Arrangements are being made to deliver the prototype directly to [redacted] instead of sending it to [redacted].

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